

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL					1. WELL NAME and NUMBER Wilcken 16-23-4-2	
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>					3. FIELD OR WILDCAT MONUMENT BUTTE	
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO					5. UNIT or COMMUNITIZATION AGREEMENT NAME	
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY					7. OPERATOR PHONE 435 646-4825	
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052					9. OPERATOR E-MAIL mcrozier@newfield.com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Larry and Jean Wilcken					14. SURFACE OWNER PHONE (if box 12 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 3618 North Dry Fork Canyon, Vernal, UT 84078					16. SURFACE OWNER E-MAIL (if box 12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>	
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	661 FSL 660 FEL	SESE	23	4.0 S	2.0 W	U
Top of Uppermost Producing Zone	661 FSL 660 FEL	SESE	23	4.0 S	2.0 W	U
At Total Depth	661 FSL 660 FEL	SESE	23	4.0 S	2.0 W	U
21. COUNTY DUCHESNE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 660		23. NUMBER OF ACRES IN DRILLING UNIT 40		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1321		26. PROPOSED DEPTH MD: 7045 TVD: 7045		
27. ELEVATION - GROUND LEVEL 5321		28. BOND NUMBER B001834		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-7478		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Mandie Crozier		TITLE Regulatory Tech		PHONE 435 646-4825		
SIGNATURE		DATE 04/14/2010		EMAIL mcrozier@newfield.com		
API NUMBER ASSIGNED 43013503040000		APPROVAL <div style="text-align: center;">  Permit Manager </div>				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	7045		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	7045	15.5			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	400		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	400	24.0			

T4S, R2W, U.S.B.&M.

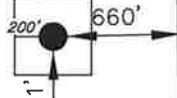
N89°58'W - 80.14 (G.L.O.)

S88°56'10"W - 2639.19' (Meas.)

S88°50'59"W - 2659.49' (Meas.)

Plastic Cap
marked
Peatross 15566
on 5/8" RebarPlastic Cap
marked 148951
on 5/8" RebarPlastic Cap
marked
Peatross 15566
on 5/8" Rebar**WELL LOCATION:
16-23-4-2**

ELEV. UNGRADED GROUND = 5320.8'

231998
Alum. Cap2005
Aluminum
Cap1998
Alum. Cap1998
Alum. Cap1998
Aluminum CapDRILLING
WINDOW

S88°52'33"W - 2637.09' (Meas.)

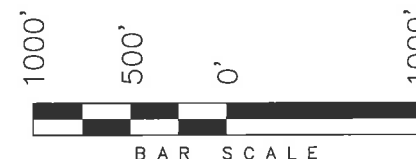
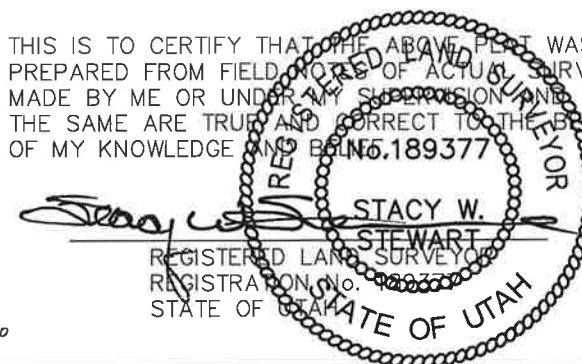
S88°52'28"W - 2637.45' (Meas.)

WEST (G.L.O.)

S0°02'E - (G.L.O.)
S00°59'45"E - 2650.12' (Meas.)

S01°01'33"E - 2636.19' (Meas.)

S00°44'43"E - 2642.39' (Meas.)

S00°45'10"E (Basis of Bearings)
2642.40' (Measured) S0°01'E (G.L.O.)**NEWFIELD PRODUCTION COMPANY**WELL LOCATION, 16-23-4-2, LOCATED
AS SHOWN IN THE SE 1/4 SE 1/4 OF
SECTION 23, T4S, R2W, U.S.B.&M.
DUCHESNE COUNTY, UTAH.THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF. 189377

= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are base on
LOCATION: an N.G.S. OPUS Correction.
LAT. 40°04'09.56" LONG. 110°00'43.28"
(Tristate Aluminum Cap) Elev. 5281.57'
16-23-4-2
(Surface Location) NAD 83
 LATITUDE = 40° 06' 54.34"
 LONGITUDE = 110° 04' 09.99"
TRI STATE LAND SURVEYING & CONSULTING180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 02-05-10	SURVEYED BY: T.P.
DATE DRAWN: 02-08-10	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

MEMORANDUM Ent 413010 Bk A562 Pg 90
of Date: 27-FEB-2009 9:09AM
Fee: \$14.00 Check
EASEMENT, RIGHT-OF-WAY Filed By: CBM
and CAROLYNE MADSEN, Recorder
SURFACE USE AGREEMENT For: NEWFIELD ROCKY MOUNTAIN
DUCHESNE COUNTY CORPORATION

This Easement, Right-of-Way and Surface Use Agreement ("Agreement") is entered into this 19th day of January, 2009 by and between **Larry and Jean Wilcken whose address is 3618 North Dry Fork Canyon, Vernal, UT 84078**, ("Surface Owner," whether one or more) and Newfield Production Company, a Texas corporation ("NEWFIELD"), with offices at 1001 17th Street, Suite 2000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Duchesne County, Utah described as follows:

Township 4 South, Range 1 West
Section 19 NWSE

Township 4 South, Range 2 West
Section 24 SESE

Section 23 Lot 8 and SWSE

Duchesne County, Utah
being 134 acres, more or less

For and in consideration of the sum of ten dollars (\$10.00), and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby agree to the terms and provisions set forth as follows:

1. Compensation for Well: Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement, Right-of Way and Surface Use by and between Surface Owner and NEWFIELD, dated January 19, 2009, as full payment and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's drilling or completion operations or its continuing activities for the production or transportation of oil, gas, or other hydrocarbons or products associated with the foregoing including, but not limited to, surface use, access, pipelines, gathering lines, pipeline interconnections, and any and all other reasonable or customary uses of land related to said operations or activities.

2. Grant of Right of Way and Easement

Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of construction, using and maintaining access roads, locations for surface equipment and subsurface gathering lines for each well drilled upon the Lands, pipelines, and pipeline interconnections for two years from date of this agreement and so long thereafter as NEWFIELD's oil and gas leases remain in effect.

This Agreement shall be binding upon the respective heirs, executors, administrators, successors, and assigns of the undersigned. This agreement replaces and supersedes any and all prior agreements covering the lands described herein.

These Parties hereto have executed this document effective as of the day first above written.

SURFACE OWNER

NEWFIELD PRODUCTION COMPANY

By: Larry Wilcken
Larry Wilcken

By: Gary D. Packer
Gary D. Packer, President

By: Jean Wilcken
Jean Wilcken

STATE OF UTAH)
)ss
COUNTY OF Duchesne)

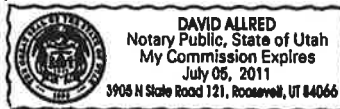
This instrument was acknowledged before me this 19 day of Jan, 2009 by **Larry Wilcken**.

Witness my hand and official seal.



Notary Public

My commission expires July 5, 2011



STATE OF UTAH)
)ss
COUNTY OF Duchesne)

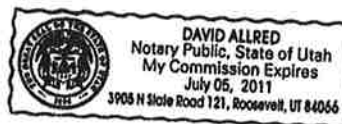
This instrument was acknowledged before me this 19 day of Jan, 2009 by **Jean Wilcken**.

Witness my hand and official seal.



Notary Public

My commission expires July 5, 2011



STATE OF COLORADO)
)ss
COUNTY OF DENVER)

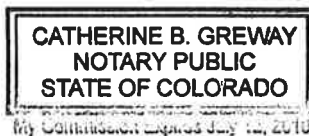
This instrument was acknowledged before me this January 30, 2009 by **Gary D. Packer, as President of Newfield Production Company**, a Texas corporation, on behalf of the corporation.

Witness my hand and official seal.



Notary Public

My commission expires 7/12/2010



NEWFIELD PRODUCTION COMPANY
WILCKEN 16-23-4-2
SE/SE SECTION 23, T4S, R2W
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1,925'
Green River	1,925'
Wasatch	6,795'
Proposed TD	7,045'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1,925' – 6,795'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. PROPOSED CASING PROGRAM

a. Casing Design: Wilcken 16-23-4-2

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	400'	24.0	J-55	STC	2,950 13.15	1,370 10.77	244,000 25.42
Prod casing 5-1/2"	0'	7,045'	15.5	J-55	LTC	4,810 2.15	4,040 1.80	217,000 1.99

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at prod casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: Wilcken 16-23-4-2

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	400'	Class G w/ 2% CaCl	183 215	30%	15.8	1.17
Prod casing Lead	5,045'	Prem Lite II w/ 10% gel + 3% KCI	349 1136	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCI	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 400 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 400 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 400' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the third quarter of 2010, and take approximately seven (7) days from spud to rig release.

2-M SYSTEM

Blowout Prevention Equipment Systems

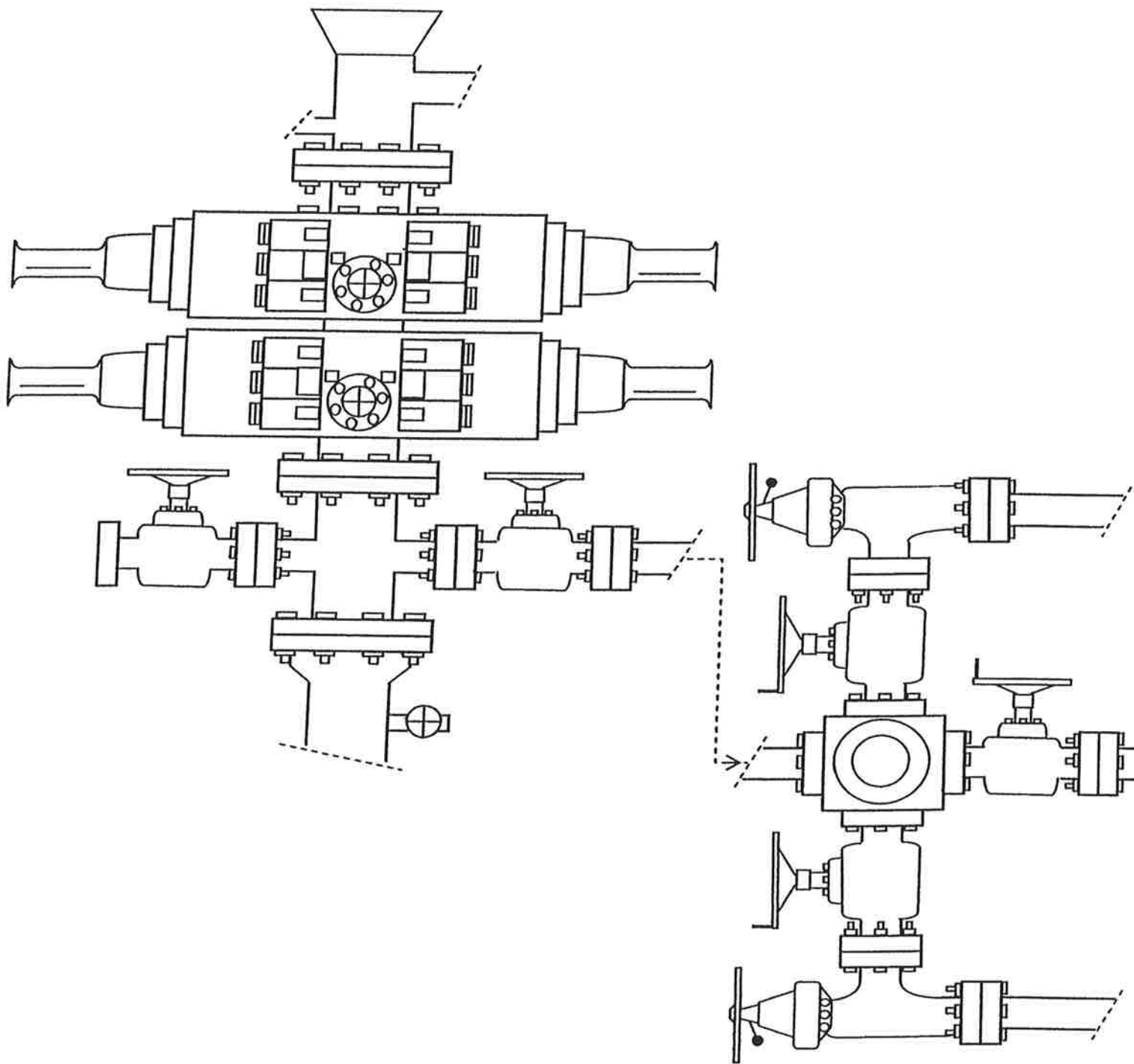
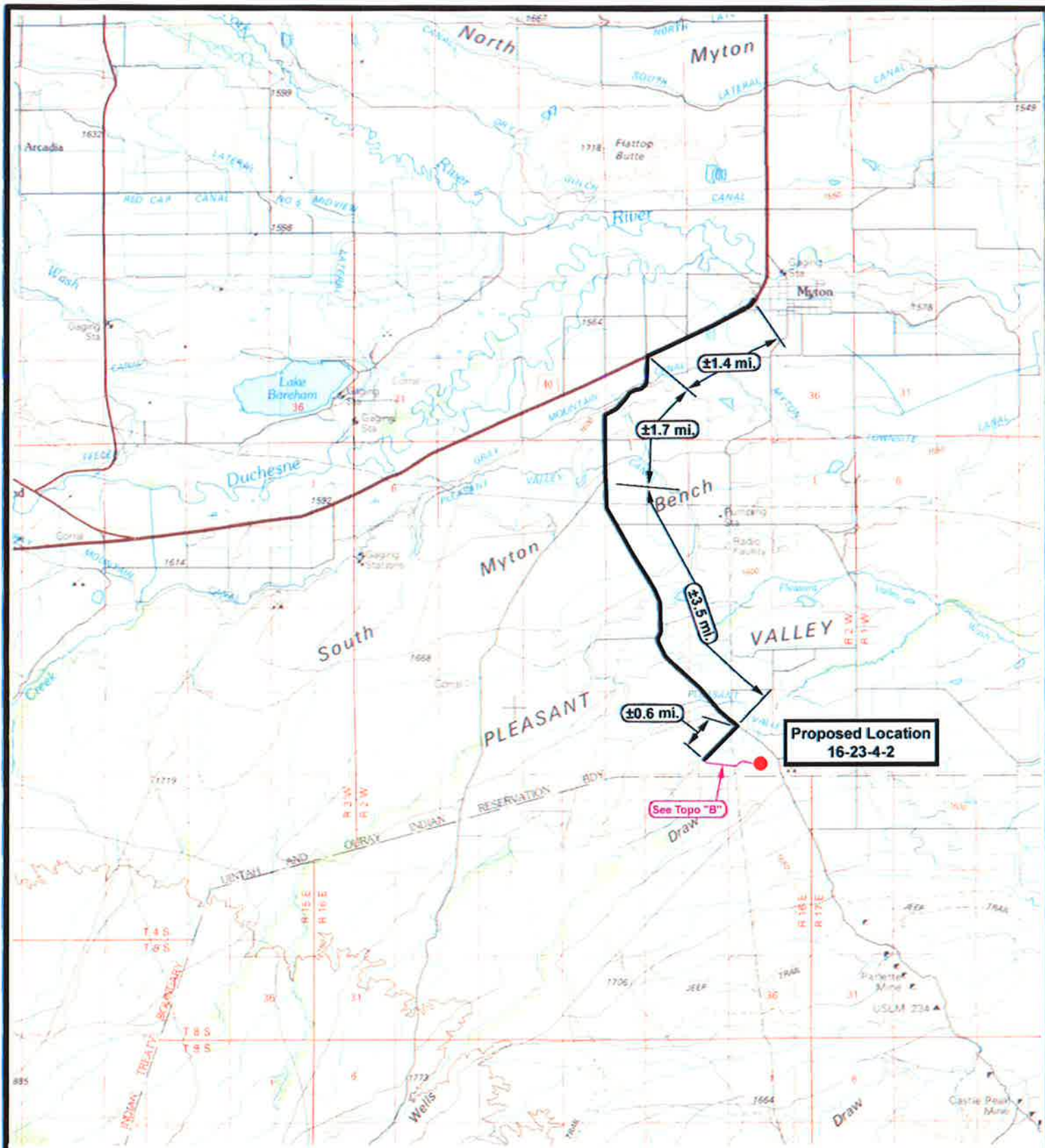



EXHIBIT C





NEWFIELD
Exploration Company

16-23-4-2
SEC. 23, T4S, R2W, U.S.B.&M.





Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 : 100,000
DRAWN BY: mw
DATE: 02-09-2010

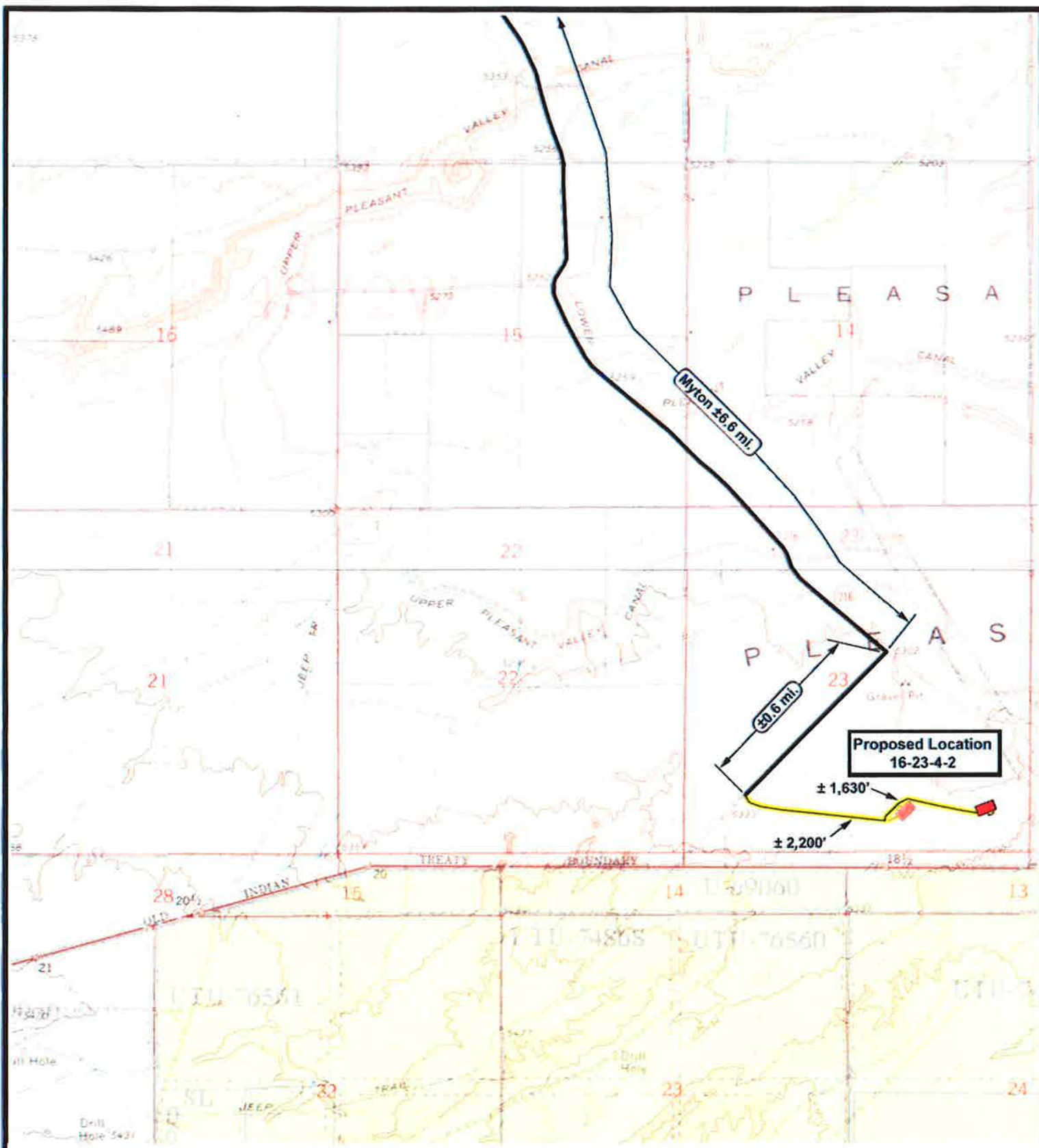
Legend


Existing Road

Proposed Access

TOPOGRAPHIC MAP

"A"





NEWFIELD
Exploration Company

16-23-4-2
SEC. 23, T4S, R2W, U.S.B.&M.





Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: mw

DATE: 02-09-2010

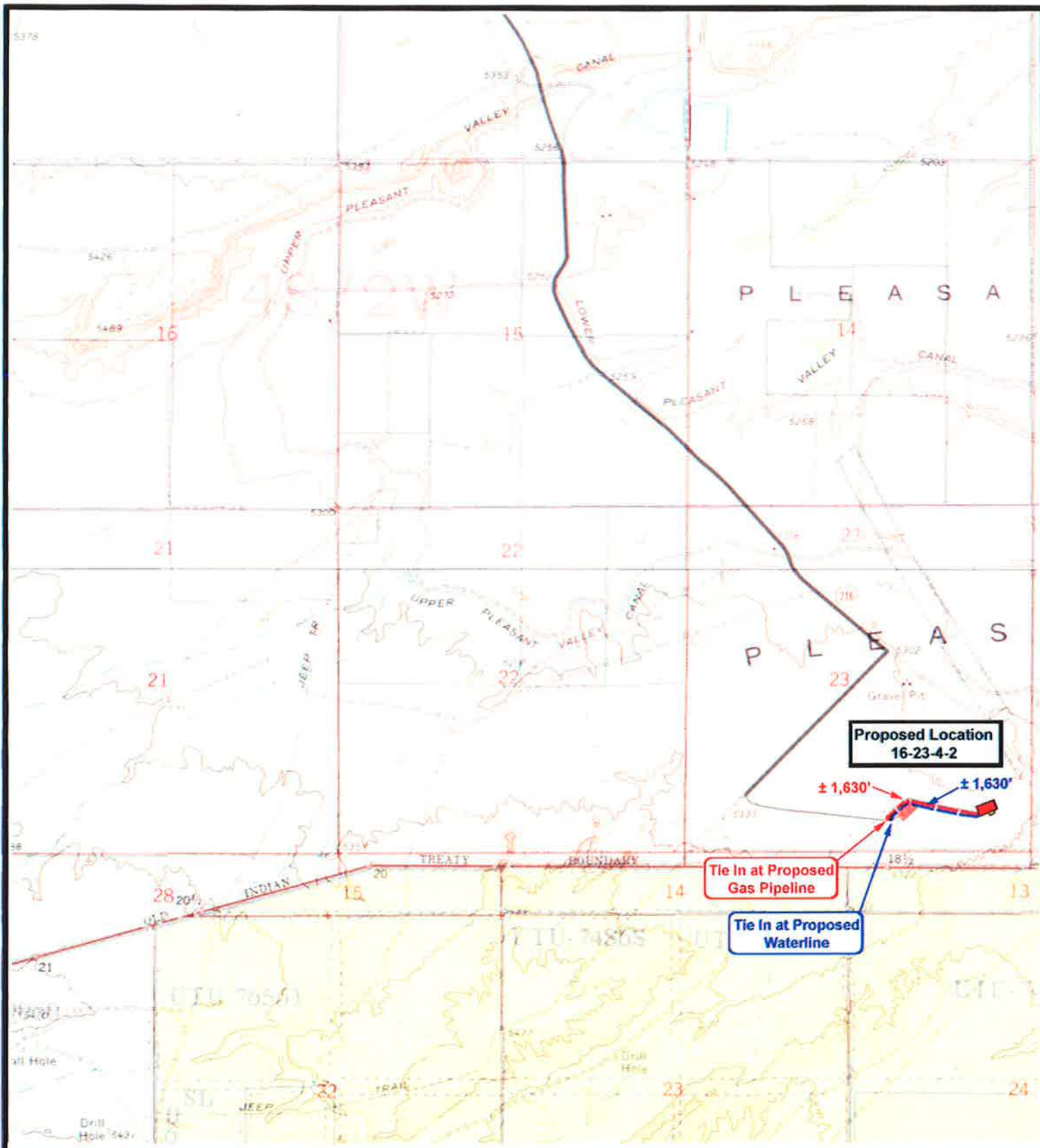
Legend




Existing Road

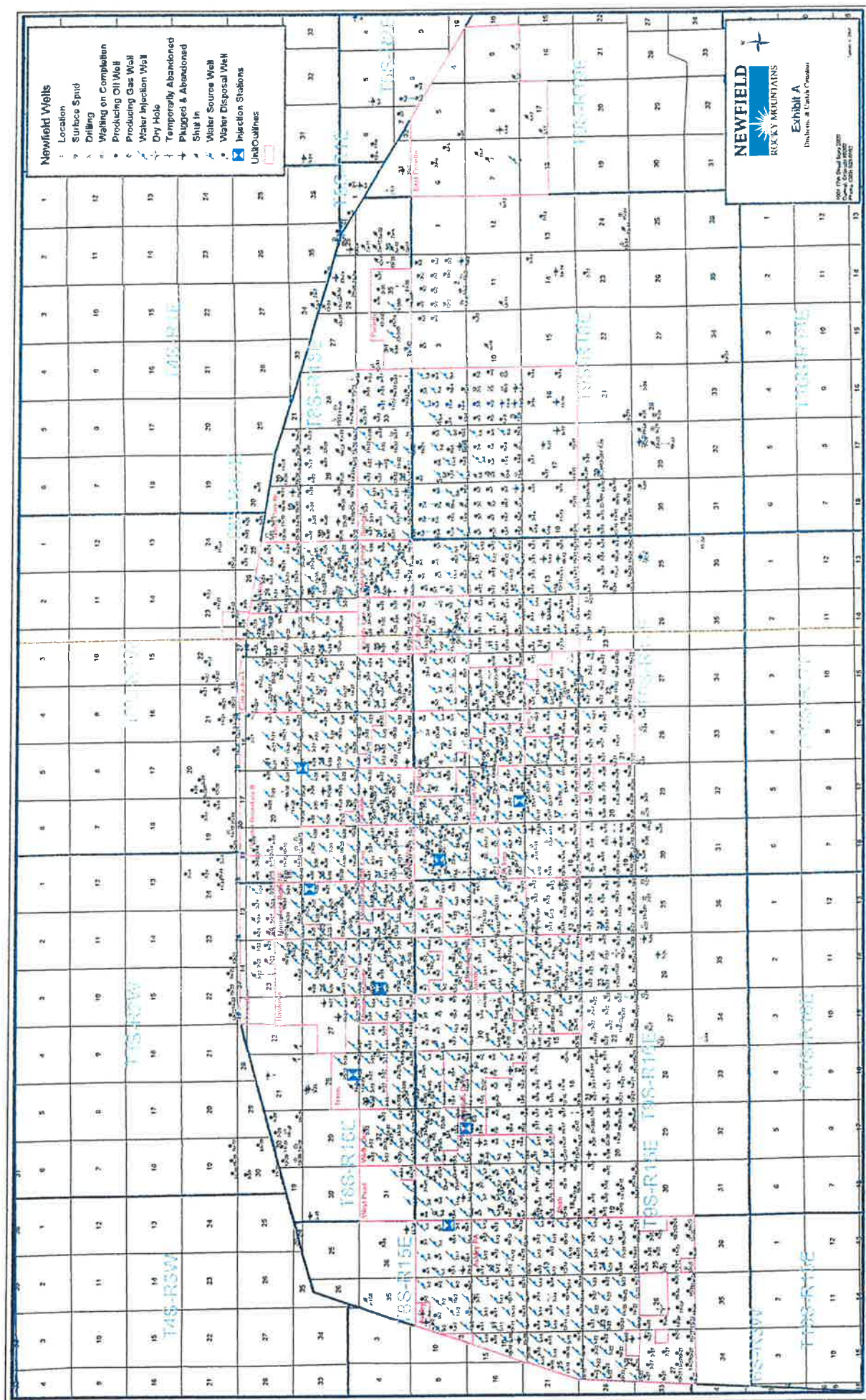
Proposed Access

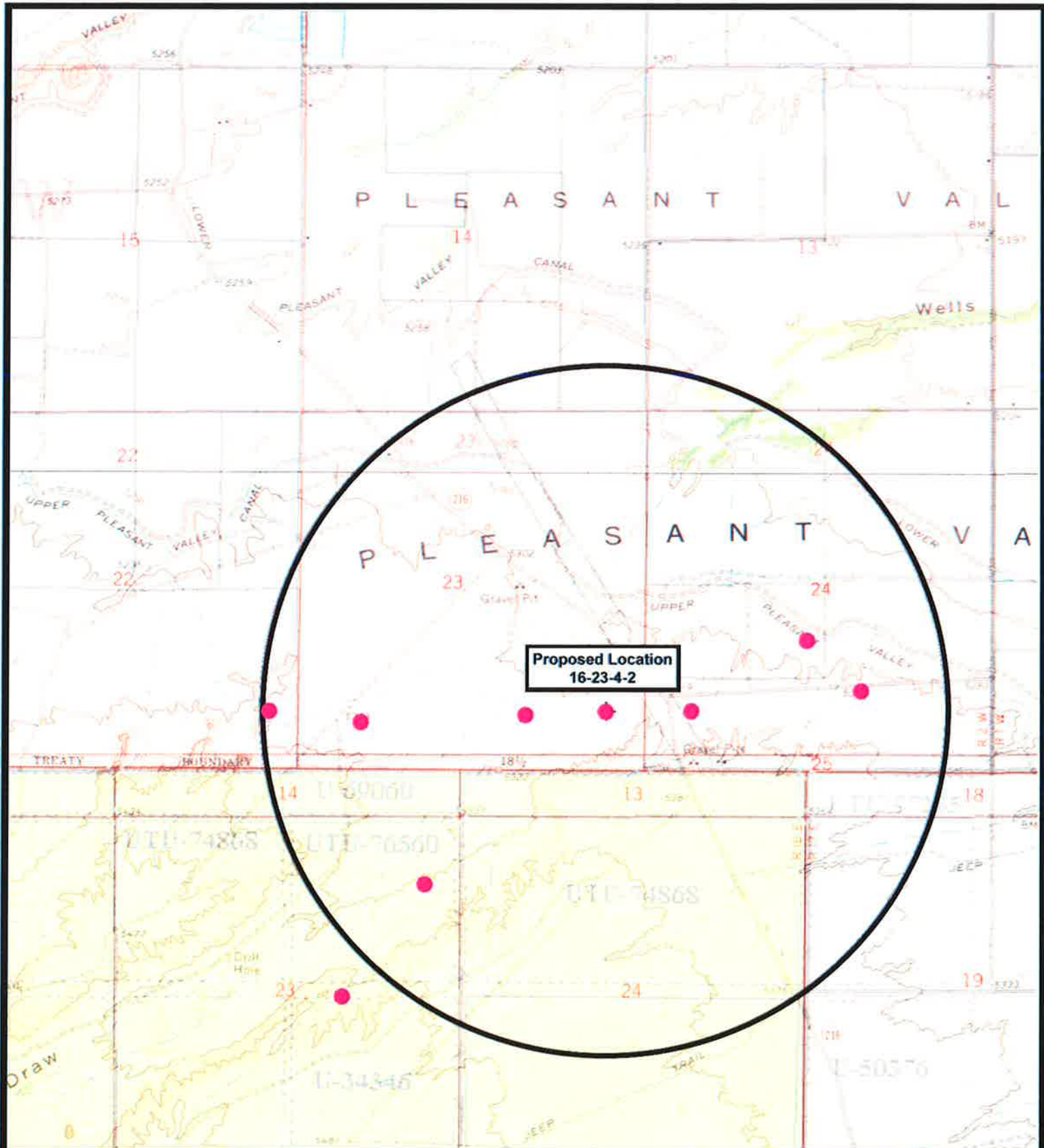
TOPOGRAPHIC MAP

"B"



 <p>NEWFIELD Exploration Company</p> <p>16-23-4-2 SEC. 23, T4S, R2W, U.S.B.&M.</p>		 <p>Tri-State Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p> <p>SCALE: 1" = 2000' DRAWN BY: mw DATE: 02-09-2010</p>	<p>Legend</p> <ul style="list-style-type: none"> Roads Proposed Gas Line Proposed Water Line <p>TOPOGRAPHIC MAP "C"</p>
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NEWFIELD
Exploration Company

16-23-4-2
SEC. 23, T4S, R2W, U.S.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 02-09-2010

Legend

- Location
- One-Mile Radius

Exhibit "B"

NEWFIELD PRODUCTION COMPANY
WILCKEN 16-23-4-2
SE/SE SECTION 23, T4S, R2W
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map “A”**

To reach Newfield Production Company well location site Wilcken 16-23-4-2 located in the SE¼ SE¼ Section 23, T4S, R2W, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, approximately 1.4 miles to it's junction with an existing road to the south; proceed in a southeasterly direction approximately 5.2 miles to it's junction with an existing road to the southwest; proceed southwesterly approximately 0.6 miles to it's junction with the beginning of the proposed access road to the east; proceed easterly along the proposed access road approximately 3,830' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 3,830' of access road is proposed. See attached **Topographic Map “B”**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous

will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** Hal and Barbara Wilcken.
See attached Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 1,630' of disturbed area be granted for construction of the proposed gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line, with a permanent width of 30' upon completion of the proposed gas lines. The construction phase of the proposed gas lines will last approximately (5) days. Both proposed lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Newfield Production Company requests 1,630' of disturbed area be granted to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. Both proposed lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made

with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Wilcken 16-23-4-2, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Wilcken 16-23-4-2 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #16-23-4-2, SE/SE Section 23, T4S, R2W, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

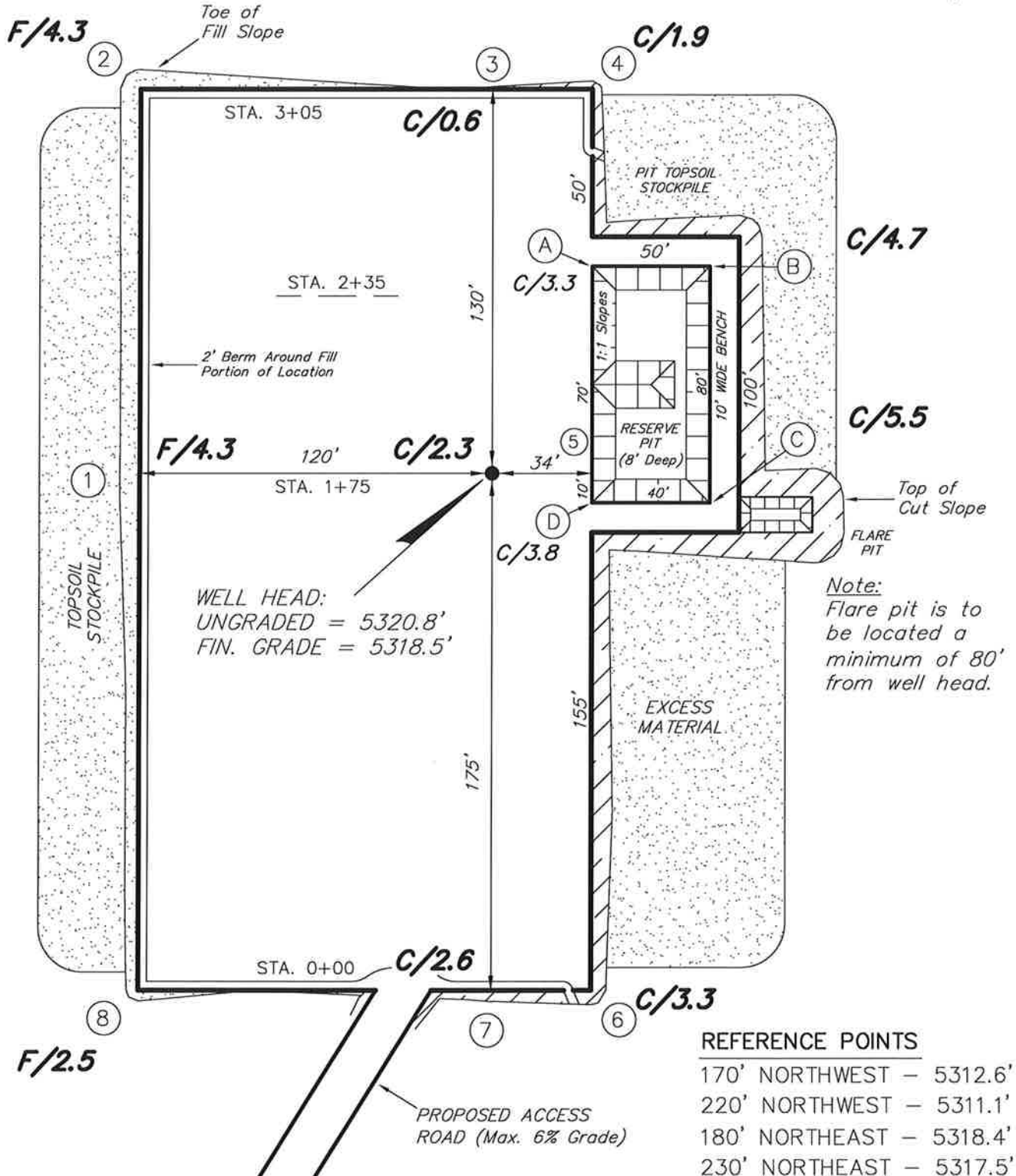
4/14/10
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

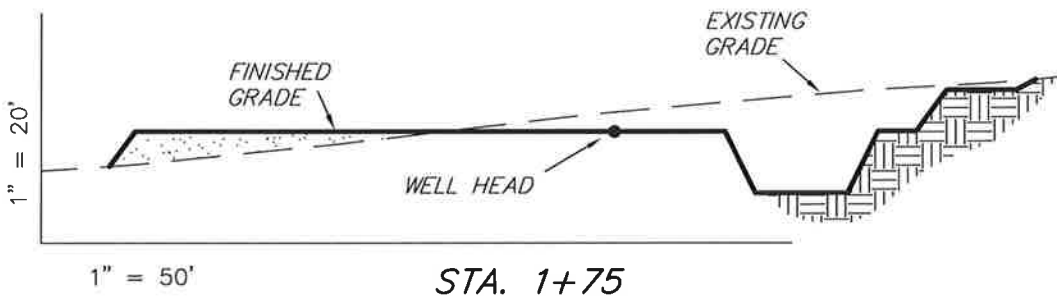
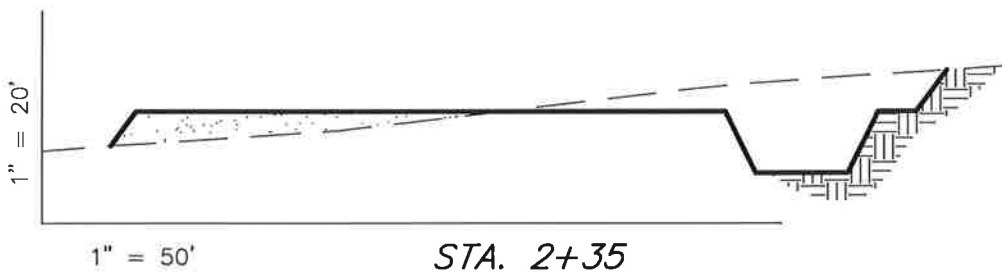
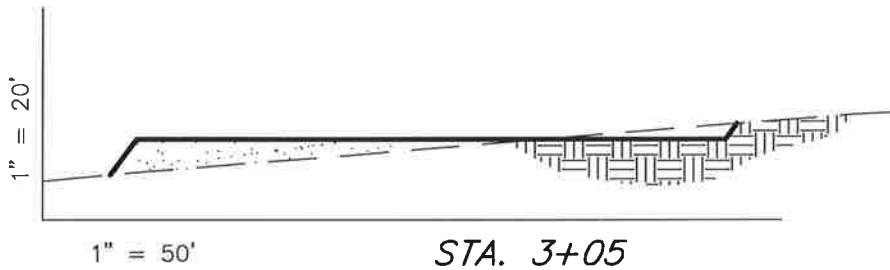
16-23-4-2

Section 23, T4S, R2W, U.S.B.&M.



SURVEYED BY: T.P.	DATE SURVEYED: 2-5-10
DRAWN BY: M.W.	DATE DRAWN: 2-8-10
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY**CROSS SECTIONS****16-23-4-2**

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,370	2,370	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,010	2,370	1,080	640

SURVEYED BY: T.P.	DATE SURVEYED: 2-5-10
DRAWN BY: M.W.	DATE DRAWN: 2-8-10
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

API Number: 4301350304

Well Name: Wilcken 16-23-4-2

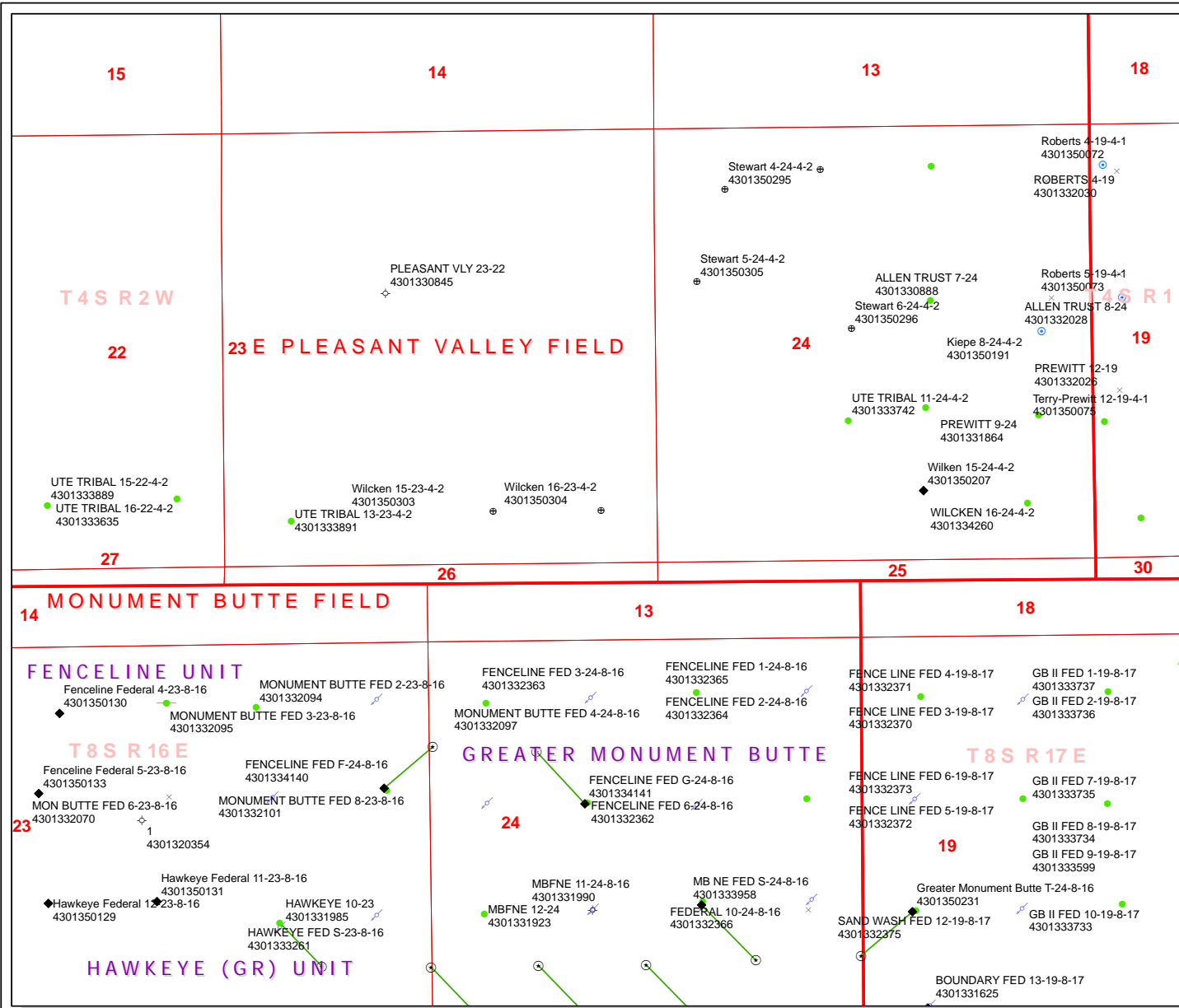
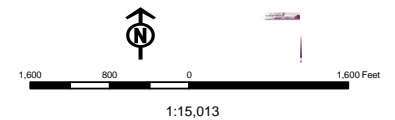
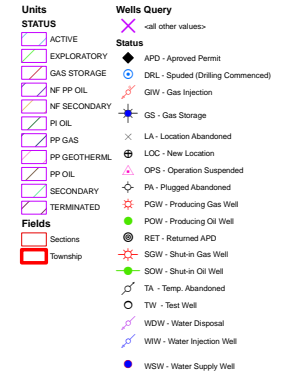
Township 04.0 S Range 02.0 W Section 23

Meridian: UBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:

Map Produced by Diana Mason



Well Name	NEWFIELD PRODUCTION COMPANY Wilcken 16-23-4-2 43013503040000			
String	Surf	Prod		
Casing Size(in)	8.625	5.500		
Setting Depth (TVD)	400	7045		
Previous Shoe Setting Depth (TVD)	0	400		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	3050	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	173	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	125	YES air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	85	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	85	NO OK
Required Casing/BOPE Test Pressure=		400	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

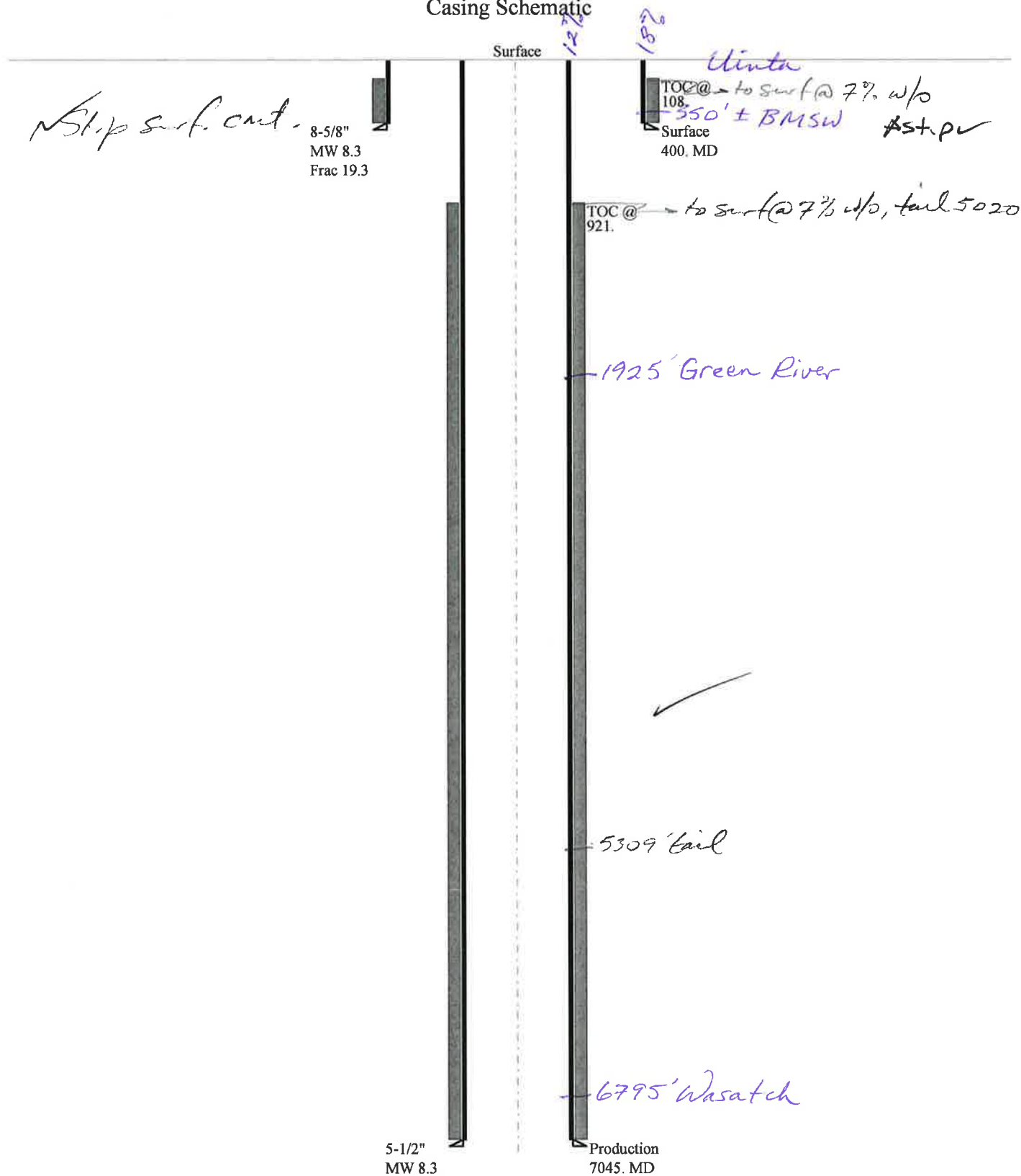
Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3077	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2232	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1527	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1615	NO Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		400	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43013503040000 Wilcken 16-23-4-2

Casing Schematic



Well name:	43013503040000 Wilcken 16-23-4-2	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-50304
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 80 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 108 ft

Burst

Max anticipated surface pressure: 352 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 400 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 350 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 7,045 ft
Next mud weight: 8.400 ppg
Next setting BHP: 3,074 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 400 ft
Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	2059

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	173	1370	7.917	400	2950	7.38	9.6	244	25.42 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: May 12, 2010
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013503040000 Wilcken 16-23-4-2	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-013-50304
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 173 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 921 ft

Burst

Max anticipated surface pressure: 1,499 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,049 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Non-directional string.

Tension is based on air weight.
Neutral point: 6,157 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7045	5.5	15.50	J-55	LT&C	7045	7045	4.825	24876

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3049	4040	1.325	3049	4810	1.58	109.2	217	1.99 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: May 12, 2010
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7045 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY				
Well Name	Wilcken 16-23-4-2				
API Number	43013503040000	APD No	2560	Field/Unit	MONUMENT BUTTE
Location: 1/4,1/4	SESE	Sec	23	Tw	4.0S
		Rng	2.0W	661	FSL 660 FEL
GPS Coord (UTM)	579363	4440739	Surface Owner	Larry and Jean Wilcken	

Participants

Floyd Bartlett (DOGM), Tim Eaton (Newfield Production Co.), Larry Wilcken, Eric Wilcken and Ted Wilcken (Representing Surface and Mineral Owners).

Regional/Local Setting & Topography

The proposed location is approximately 7.6 road miles southwest of Myton, Duchesne County, UT. in lower Wells Draw which is a significant ephemeral sub-drainage of Pleasant Valley Wash. Pleasant Valley Wash drains into the Pariette Draw drainage. Both of these drainages contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 11 miles downstream from the location. Broad flats in Pleasant Valley with those to the north frequently used for agriculture, characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and planned oil field development roads. Approximately 1,630 feet of new road constructed across private land will be required to reach the location.

The proposed Wilcken 16-23-4-2 oil well location is located to the south of the wide flat bottom of Wells Draw approximately 4 miles up-drainage before it reaches Pleasant Valley Wash. The pad is oriented in an east to west direction on terrain that has a slight slope to the north. Cut of up to 3.3 feet will be moved northeasterly to form the pad. The area used for agriculture is to the north. The historic Old Indian Treaty Boundary is about 600 feet south of the well site. Soils are a deep silty sandy loam. Some hardening of the surface of the pad may be desirable. A prominent ridge exists approximately ¼ mile to the south. No springs, streams, seeps or ponds are known to exist in the immediate area. No drainage diversions are needed. The location appears to be a suitable site for drilling and operating a well.

Larry Wilcken and his wife Jean own the minerals and surface.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.28	Width 204 Length 305	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Vegetation is a desert shrub type. Principal species present include spiny hopsage, globe mallow, Indian rice grass, curly mesquite, prickly pear and annuals.

Deer, small mammals and birds.

Soil Type and Characteristics

Deep sitlty sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	75 to 100	10
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score	25	1 Sensitivity Level

Characteristics / Requirements

A 40' x 80' x 8' deep reserve pit is located in an area of cut on the southeast side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner. A sub-liner may not be needed to cushion the pit liner.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?**

Other Observations / Comments

Floyd Bartlett
Evaluator

4/21/2010
Date / Time

Application for Permit to Drill

Statement of Basis

5/17/2010

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
2560	43013503040000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD	Larry and Jean Wilcken	
Well Name	Wilcken 16-23-4-2		Unit		
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	SESE 23 4S 2W U 661 FSL 660 FEL GPS Coord (UTM) 579361E 4440733N				

Geologic Statement of Basis

Newfield proposes to set 400' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 350'. A search of Division of Water Rights records shows 6 water wells within a 10,000 foot radius of the center of Section 23. Uses for these wells are listed as domestic, irrigation and stock watering. Depth is listed for only 2 of the wells, at 24 and 70 feet. The well producing from 70 feet is approximately 3/4 mile northeast of the proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill
APD Evaluator

4/27/2010
Date / Time

Surface Statement of Basis

The proposed location is approximately 7.6 road miles southwest of Myton, Duchesne County, UT. in lower Wells Draw which is a significant ephemeral sub-drainage of Pleasant Valley Wash. Pleasant Valley Wash drains into the Pariette Draw drainage. Both of these drainages contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 11 miles downstream from the location. Broad flats in Pleasant Valley with those to the north frequently used for agriculture, characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and planned oil field development roads. Approximately 1,630 feet of new road constructed across private land will be required to reach the location.

The proposed Wilcken 16-23-4-2 oil well location is located to the south of the wide flat bottom of Wells Draw approximately 4 miles up-drainage before it reaches Pleasant Valley Wash. The pad is oriented in an east to west direction on terrain that has a slight slope to the north. Cut of up to 3.3 feet will be moved northeasterly to form the pad. The area used for agriculture is to the north. The historic Old Indian Treaty Boundary is about 600 feet south of the well site. Soils are a deep silty sandy loam. Some hardening of the surface of the pad may be desirable. A prominent ridge exists approximately 1/4 mile to the south. No springs, streams, seeps or ponds are known to exist in the immediate area. No drainage diversions are needed. The location appears to be a suitable site for drilling and operating a well.

Larry Wilcken and his wife Jean own the minerals and surface. Larry Wilcken attended the pre-site evaluation and had no concerns. A surface uses agreement exists.

Floyd Bartlett
Onsite Evaluator

4/21/2010
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner as needed shall be properly installed and maintained in the reserve pit.

**Application for Permit to Drill
Statement of Basis**

5/17/2010

Utah Division of Oil, Gas and Mining

Page 2

Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/14/2010

API NO. ASSIGNED: 43013503040000

WELL NAME: Wilcken 16-23-4-2

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SESE 23 040S 020W

Permit Tech Review: ☒

SURFACE: 0661 FSL 0660 FEL

Engineering Review: ☒

BOTTOM: 0661 FSL 0660 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.11506

LONGITUDE: -110.06874

UTM SURF EASTINGS: 579361.00

NORTHINGS: 4440733.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ **PLAT**
- ☒ **Bond:** STATE/FEE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** 43-7478
- ☐ **RDCC Review:**
- ☒ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingle Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**
- Unit:**
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** R649-3-2
- Effective Date:**
- Siting:**
- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
23 - Spacing - dmason
25 - Surface Casing - hmadonald



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Wilcken 16-23-4-2
API Well Number: 43013503040000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 5/18/2010

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

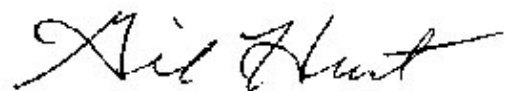
- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 21 Submitted By
Cheyenne Bateman Phone Number 435-823-2419
Well Name/Number Wilcken 16-23-4-2
Qtr/Qtr SE/SE Section 23 Township 4S Range 2W
Lease Serial Number 2OG0005609
API Number 43-013-50304

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 2/16/2011 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 2/16/2011 1:00PM AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**
ADDRESS: **RT. 3 BOX 3630**
MYTON, UT 84052

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	4301350248	GREATER MONUMENT BUTTE E-1-9-16	NWNW	1	9S	16E	DUCHESNE	2/24/2011	2/28/11
WELL 1 COMMENTS: <i>GRRV</i> <i>BHL = NWNW</i>											
A	99999	17959	4301350455	UTE TRIBAL 12-22-4-2W	NWSW	22	4S	2W	DUCHESNE	2/21/2011	2/28/11
<i>GRRV</i>											
B	99999	17400	4301350253	GREATER MONUMENT BUTTE A-11-9-16	SWSW	01	9S	16E	DUCHESNE	2/21/2011	2/28/11
<i>GRRV</i> <i>BHL = Sec 11 NENE</i>											
B	99999	17400	4301350282	GREATER MONUMENT BUTTE A-25-8-16	SWSW	19	8S	16E	DUCHESNE	2/17/2011	2/28/11
<i>GRRV</i> <i>BHL = Range 16E Sec 25 NENE</i>											
A	99999	17960	4301350304	WILCKEN 16-23-4-2	SESE	23	4S	2W	DUCHESNE	2/16/2011	2/28/11
<i>GRRV</i>											
A	99999	17961	4301350393	UTE TRIBAL 14-18-4-2	SESW	18	4S	2W	DUCHESNE	2/14/2011	2/28/11
<i>GRRV</i>											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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FEB 28 2011

DIV. OF OIL, GAS & MINING

[Signature]
Signature
Production Clerk
Jentri Park
02/28/11

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
WILCKEN 16-23-4-2

9. API NUMBER:
4301350304

10. FIELD AND POOL, OR WILDCAT:
MYTON-TRIBAL EDA

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Myton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

COUNTY: DUCHESNE

FOOTAGES AT SURFACE:

STATE: UT

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 23, T4S, R2W

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/23/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 2/17/11 MIRU Ross #21. Spud well @8:00 AM. Drill 435' of 12 1/4" hole with air mist. TIH W/ 10 Jt's 8 5/8" J-55 24# csgn. Set @ 426.15'. On 2/21/11 cement with 210 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 12 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Cheyenne Bateman

TITLE

SIGNATURE

DATE 02/23/2011

(This space for State use only)

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DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 438.47

LAST CASING	<u>14"</u>	SET AT	<u>9</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE		<u>12</u>	
TD DRILLER	<u>435</u>	LOGGER	<u></u>
HOLE SIZE	<u>12 1/4"</u>		

OPERATOR Newfield Exploration Company
WELL WILCKEN 16-23-4-2
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # Ross Rig# 21

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1		wellhead					A	1.42
10	8 5/8"	casing (shoe jt 29.44)		24	J-55	STC	A	426.15
1	8 5/8"	guide shoe					A	0.9

[illegible]

COMPANY REPRESENTATIVE

Cheyenne Bateman

DATE **2/21/2011**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
FEE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:
WILCKEN 16-23-4-2

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301350304

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MYTON-TRIBAL EDA

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 0661 FSL 0660 FEL SESE

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 23, T4S, R2W

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 03/25/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 03-25-11, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 03/29/2011

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Daily Activity Report**Format For Sundry****WILCKEN 16-23-4-2****1/1/2011 To 5/30/2011****3/14/2011 Day: 1****Completion**

Rigless on 3/14/2011 - Test casing to 4500 psi. CBL/Perferate 1st stage. - RU Cameron BOP's. RU Hot Oiler & test casing, wellhead w/ valves & BOP's to 4500 psi. RU Perforators LLC WLT w/ mast. Run CBL under pressure. WLTD was 6950' w/ cement top @ 260' (didn't get deep enough to shot Wstch3 sds). RIH w/ perf guns & perferate Wstch 2/1 sds 3 spf for total of 6 shots. RD WLT & Hot Oiler. SIFN w/ 166 bbls EWTR.

Daily Cost: \$0**Cumulative Cost:** \$13,557

3/17/2011 Day: 2**Completion**

Rigless on 3/17/2011 - Fraced Stage 1 with BJ Services. Perforated Stage 2 with Perforators Wireline and fraced Stage 2 with BJ Services. Screened out with 11.8 bbls left to flush. Flowed well back for 1.5 hours and SWIFN. - RU BJ Services and Perforators Wireline for Stage 2. Perforate BSL and CP5 sands as shown in perforation report. Rig down Perforators and frac BSL and CP5 sands with 60,029 lbs of white 20/40 sand. Screened out with 11.8 bbls left to flush. Flowed well back at roughly 3 bpm for 1.5 hours. Recovered 270 bbls. SWIFN with 953 BWTR. - RU BJ Services for Stage 1. Frac Wasatch sands with 33,011 lbs of white 20/40 sand. Cut sand 16,989 lbs short since treating pressure was around 3700 psi and bottom perfs were not shot. Leave pressure on well. 716 BWTR.

Daily Cost: \$0**Cumulative Cost:** \$19,911

3/18/2011 Day: 3**Completion**

Rigless on 3/18/2011 - Fraced and perforated Stages 3-5 with BJ Services and Perforators Wireline. Flowed well back on 26/64 choke at 3 BPM. Well flowed for 2 hours and died. Recovered 300 bbls of fluid. SIWFN with 1716 BWTR. - RU BJ Services and Perforators Wireline for Stage 5. Perforate PB11 sands as shown in perforation report. Rig down Perforators and frac PB11 sands with 36,165 lbs of white 20/40 sand. 2016 BWTR. - RU BJ Services and Perforators Wireline for Stage 4. Perforate D3 sands as shown in perforation report. Rig down Perforators and frac D3 sands with 20,581 lbs of white 20/40 sand. Leave pressure on well. Screened out with 44.2 bbls left to flush. Flowed well back at roughly 3 bpm for 1.5 hours. Recovered 270 bbls. 1573 BWTR. - RU BJ Services and Perforators Wireline for Stage 3. Perforate CP4, CP3, and CP2 sands as shown in perforation report. Gun shorted out on 3rd shot. Attempted to shot 4th gun and came out of the hole. 4th gun did fire but it was decided to run back into the hole and perforate CP2 sands from 6377' to 6381'. Rig down Perforators and frac CP4, CP3, and CP2 sands with 64,632 lbs of white 20/40 sand. Leave pressure on well. 1559 BWTR. - Begin flowback on 26/64 choke at 3 BPM. Well flowed for 2 hours and died. Recovered 300 bbls of fluid. SIWFN with 1716 BWTR.

Daily Cost: \$0**Cumulative Cost:** \$146,018

3/22/2011 Day: 4**Completion**

Nabors #147 on 3/22/2011 - Moved in and rigged up Nabors 147. Picked up tubing and drilled

out first 2 plugs. SWIFN. - Crew travel and safety meeting. Shut in casing pressure at 225 psi. Bleed well off for 1 hour. Nipple down frac BOPs, lower work floor, and tally tubing. Make up new 4-3/4" chomp bit, pick up 169 joints of tubing, and tag fill at 5225'. Stuck tubing trying to lay down tag joint. Work stuck pipe for 25 minutes and freed pipe. Hook up pump and circulate well while rigging up power swivel. Clean out sand to first plug at 5320' and drill out plug. Run into hole with tubing, tag plug at 5605', and drill out plug. Run into hole with 1 joint to place end of tubing at 5652' and SWIFN with 1716 BWTR.

Daily Cost: \$0

Cumulative Cost: \$153,495

3/23/2011 Day: 5**Completion**

Nabors #147 on 3/23/2011 - Drilled out 3rd and 4th plugs and cleaned out to PBTB. Circulated well clean with 180 bbls of water, rigged down power swivel, and rigged up swab equipment. Made 16 swab runs and recovered 170 bbls of gas/oil/water mixture. SWIFN. - Crew travel and safety meeting. Shut in tubing pressure at 0 psi and shut in casing pressure at 20 psi. Bled off casing and pumped 30 bbls down tubing to clean out paraffin plug. Run into hole with tubing, tag fill at 6200', clean out sand to 3rd plug at 6537', and drill out plug. Circulate out kick, run into hole with tubing, tag 4th plug at 6740', and drill out plug. Run into hole with tubing, tag fill at 6900', and clean out sand to PBTB at 6984'. Circulate wellbore clean with 180 bbls of water, rig down Nabors power swivel, and lay down 4 joints of tubing. - Rig up swab equipment and make 16 swab runs. Initial fluid level at surface and ending fluid level at 800'. Recover a total of 170 bbls of a gas/oil/water mix. Drain flowlines and SWIFN with 1546 BWTR.

Daily Cost: \$0

Cumulative Cost: \$162,502

3/24/2011 Day: 6**Completion**

Nabors #147 on 3/24/2011 - Ran into hole to PBTB and killed well with 180 bbls of water. POOH with tubing to lay down bit and bit sub. Ran tubing and rods as detailed in tally. SWIFN. - Crew travel and safety meeting. Shut in casing pressure at 100 psi and shut in tubing pressure at 450 psi. Pump 30 bbls of water down tubing. Run into hole and tag PBTB at 6984'. Kill well with 180 bbls of water and lay down 12 joints of tubing. Pull out of hole with 218 joints of tubing and lay down bit and bit sub. Run into hole with production tubing as follows: (1) bull plug, (3) joints 2-7/8" tubing, (1) PBGA, (1) joint 2-7/8" tubing, (1) seating nipple, (1) joint 2-7/8" tubing, (1) Central Hydraulic tubing anchor, and (213) joints of 2-7/8" tubing. Rig down work floor, nipple down BOPs, and set TAC with 18,000 lbs of tension. Nipple up wellhead and flowline. Pick up and prime Central Hydraulic 25-150-RHAC-20-4-21-24 pump. - Run into hole with rods as follows: (1) 1"x 4' stabilizer bar, (6) 1-1/2" x 25' weight bars, (156) 3/4" x 25' 4per guided rods, (102) 7/8" x 25' 4per guided rods, (1) 7/8" x 8' pony rod, (1) 7/8" x 4' pony rod, (1) 7/8" x 2' pony rod, and (1) 1-1/2" x 30' polish rod. SWIFN with 1546 BWTR.

Daily Cost: \$0

Cumulative Cost: \$243,905

3/25/2011 Day: 7**Completion**

Nabors #147 on 3/25/2011 - Hung horse head, pressure tested pump, and PWOP at 10 am on 3/24/11 with 122" stroke length at 5 spm. SWIFN. - Crew travel and safety meeting. Hang horse head. Stroke unit for 20 minutes but pump would not pressure up. Bled off casing and tubing went on vacuum. Stacked out rods, filled tubing with 1.5 bbls of water, and pressure tested to 1000 psi. Bled tubing down, stroked pump with rig, and pressured up to 800 psi.

Pump tested good. Bled off tubing, stroked pump with unit, and pressure tested to 800 psi.
Pump tested good. Rig down, pull forward, and PWOP at 10:00 am with 122" stroke length at
5 spm. 1546 BWTR. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$244,157

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. FEE			
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						6. If Indian, Allottee or Tribe Name			
2. Name of Operator NEWFIELD EXPLORATION COMPANY						7. Unit or CA Agreement Name and No.			
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202				3a. Phone No. (include area code) (435) 646-3721		8. Lease Name and Well No. WILCKEN 16-23-4-2			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 661' FSL & 660' FEL (SE/SE) SEC. 23, T4S, R2W At top prod. interval reported below At total depth 7040'						9. AFI Well No. 43-013-50304			
14. Date Spudded 02/17/2011						15. Date T.D. Reached 03/08/2011			
16. Date Completed 03/24/2011 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						17. Elevations (DF, RKB, RT, GL)* 5321' GL 5333' KB			
18. Total Depth: MD 7040' TVD				19. Plug Back T.D.: MD 6950' TVD		20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	438'		210 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	7030'		350 PRIMLITE		260'	
						425 50/50 POZ			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 6784'	TA @ 6618'							
25. Producing Intervals									
Formation		Top	Bottom	Perforation Record		Size	No. Holes	Perf. Status	
A) Wasatch		6839'	6878'	5151-6878'		.36"	123		
B) Green River		5151'	6662'						
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
6839-6878'		Frac w/ 33011#s 20/40 sand in 512 bbls of Lightning 17 fluid in 1 stage							
5151-6662'		Frac w/ 181407#s 20/40 sand in 1210 bbls of Lightning 17 fluid in 4 stages							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/24/11	04/04/11	24	→	53	12	20			2-1/2" x 1-1/2" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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APR 25 2011

DIV. OF OIL, GAS & MINING

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH GREEN RIVER	6839' 5151'	6878' 6662'		GARDEN GULCH MRK GARDEN GULCH 1	4330' 4543'
				GARDEN GULCH 2 POINT 3	4668' 4963'
				X MRKR Y MRKR	5192' 5225'
				DOUGALS CREEK MRK BI CARBONATE MRK	5355' 5630'
				B LIMESTON MRK CASTLE PEAK	5770' 6275'
				BASAL CARBONATE WASATCH	6674' 6797'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

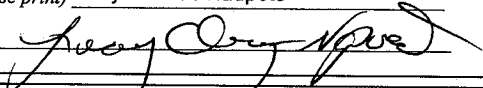
- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Lucy Chavez-Naupoto

Title Administrative Assistant

Signature



Date 04/18/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

Daily Activity Report**Format For Sundry****WILCKEN 16-23-4-2****12/1/2010 To 4/28/2011****WILCKEN 16-23-4-2****Waiting on Cement****Date:** 2/17/2011

Ross #21 at 435. Days Since Spud - On 2/17/11 Ross #21 spud and drilled 435' of 12 1/4" hole, P/U and run 10 jts of 8 5/8" casing set - yield. Returned 12bbls to pit, bump plug to 520 psi, BLM and State were notified of spud via email. - @ 438.47'KB. On 2/21/11 cement w/BJ w/210 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17

Daily Cost: \$0**Cumulative Cost:** \$79,953

WILCKEN 16-23-4-2**Rigging Up****Date:** 3/3/2011

NDSI #3 at 435. 0 Days Since Spud - On 3/2/11 Jones Trucking moved rig # 3 from Stewart 1A-29-4-2W to Wilcken 16-23-4-2/Set all - equipment except Derrick/Replace Bridle line sheave on A-Leg

Daily Cost: \$0**Cumulative Cost:** \$88,503

WILCKEN 16-23-4-2**Drill 7 7/8" hole with fresh water****Date:** 3/4/2011

NDSI #3 at 1843. 1 Days Since Spud - 10min. Test 8 5/8" Surface Casing to 1,500PSI F/ 30min all tested good - Rig up B&C Quick Test and Test Pipe and Blind Rams, Choke, Upper Kelly, Safety Valve to 2,000PSI - Finish Rigging Up - Pick up BHA as follows, Smith 7 7/8" MI616 PDC Bit, 6 1/2" Hunting .33rev 1 1/2° Mud Motor, X-Over, - Drill 7 7/8" hole F/ 415' to 992' W/20,000WOB, 151RPM, 400GPM, 105fph ROP - Install Rotating Rubber, and set Crown-O-Matic - Drill 7 7/8" hole F/ 992' to 1843' W/20,000WOB, 151RPM, 400GPM, 105fph ROP - No H2S or flow recorded last 24hrs - Monel, Gap Sub, Index Sub, X-over, 17 6" Drill Collars

Daily Cost: \$0**Cumulative Cost:** \$113,793

WILCKEN 16-23-4-2**Drill 7 7/8" hole with fresh water****Date:** 3/5/2011

NDSI #3 at 3891. 2 Days Since Spud - Rig Service Function Test BOP and Crown-O-Matic - Drill 7 7/8" hole F/ 1843' to 2567' W/20,000WOB, 151RPM, 400GPM, 105fph ROP - Drill 7 7/8" hole F/ 2567' to 3891' W/20,000WOB, 151RPM, 400GPM, 95fph ROP

Daily Cost: \$0**Cumulative Cost:** \$157,828

WILCKEN 16-23-4-2**Drill 7 7/8" hole with fresh water****Date:** 3/6/2011

NDSI #3 at 5499. 3 Days Since Spud - 1gal./min Flow No H2S recorded last 24hrs - Rig Service Function Test BOP and Crown-O-Matic - Drill 7 7/8" hole F/ 3891' to 4522' W/20,000WOB, 151RPM, 400GPM, 95fph ROP - Drill 7 7/8" hole F/ 4522' to 5499' W/20,000WOB, 151RPM, 400GPM, 84fph ROP

Daily Cost: \$0**Cumulative Cost:** \$179,493

WILCKEN 16-23-4-2**Lay Down Drill Pipe/BHA****Date:** 3/7/2011

NDSI #3 at 7039. 4 Days Since Spud - Laydown Drill Pipe - Spot 260bbls of Brine No Flow - Drill 7 7/8" hole F/ 5499' to 6350' W/20,000WOB, 151RPM, 400GPM, 84fph ROP - Rig Service Function Test BOP and Crown-O-Matic - Drill 7 7/8" hole F/ 6350' to 7039' TDW/20,000WOB, 151RPM, 400GPM, 84fph ROP - Pump Sweep and Circulate F/Logs - Laydown Drill Pipe to 4,000'

Daily Cost: \$0**Cumulative Cost:** \$217,775

WILCKEN 16-23-4-2**Wait on Completion****Date:** 3/8/2011

NDSI #3 at 7039. 5 Days Since Spud - Laydown Drill Pipe and BHA - Rig up PSI and Log F/ TD to Surface - Rig up B&C Quick Test and pressure test 5 1/2" Casing Rams to 2,000PSI F/ 10min. Tested good - Rig up QT Casing Crew and Run 166jts 5 1/2" J-55 15.5# LTC Casing set @ 7029.90KB Circulate Casing - Rig up BJ and Cement W/ 350sks PL11+3% KCL+5#CSE+.5#CF+5#KOL+%SMS+FP+6L - Mixed @ 11ppg W/3.53 yield. Then 425sks 50:50:2+3%KCL+.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L - Mixed @ 14.4ppg W/1.24yield - Release Rig @ 12:30PM 3/8/11 - Clean Mud Tanks **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$349,643

Pertinent Files: [Go to File List](#)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
E	17960	17960	4301350304	WILCKEN 16-23-4-2	SESE	23	4S	2W	DUCHESNE	2/16/2011	3/24/11
WELL 1 COMMENTS: CHANGE FROM GRRV TO GR-WS FORMATION											
— 4/28/11											
E	17884	17884	4301350355	UTE TRIBAL 10-7-4-2	NWSE	7	4S	2W	DUCHESNE	11/17/2010	3/24/11
CHANGE FROM GRRV TO GR-WS FORMATION											
NWSW 22 4S 2W — 4/28/11											
E	17959	17959	4301350455	UTE TRIBAL 12-22-4-2W	NENW	22	4S	1E	DUCHESNE	2/21/2011	3/29/11
CHANGE FROM GRRV TO GR-WS FORMATION											
— 4/28/11											
A	99999	18022	4301350385	UTE TRIBAL 3-27-4-3	NENW	27	4S	3W	DUCHESNE	4/19/2011	4/28/11
GRRV											
A	99999	18023	4301350422	HANCOCK 12-7-4-1W	SWSW	7	4S	1W	DUCHESNE	4/21/2011	4/28/11
GRRV											

ACTION CODES (See instructions on back of form)

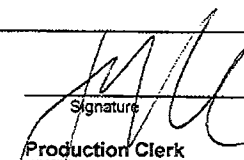
- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

APR 28 2011

DIV. OF OIL, GAS & MINING

Signature: 
Jentri Park
Production Clerk
04/28/11



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 28, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5276 0440

43 013 50304
Wilcken 16-23-4-2
23 45 2W

Mr. Kirby Carroll
Newfield Production Company
1001 17th Street, STE 2000
Denver, CO 80202

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Carroll:

As of August 2016, Newfield has thirty-two (32) State and Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas and Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.

Page 2
Newfield Production Company
November 28, 2016

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

All Submittals should be sent via ePermit

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/DD/js

cc: Compliance File
Well File
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years.Months Inactive
1	GMBU 2-16-9-18H	43-047-52013	ML-48378	4.4
2	Gulf State 36-13	43-047-31345	ML-22057	9.2
3	Moon 3-20-4-2	43-013-50007	Fee	3.5
4	S Mon Butte ST P-2-9-16	43-013-50118	ML-21839	3.6
5	State 3-16-9-18	43-047-35813	ML-48378	3.5
6	Wells Draw ST 7-36	43-013-30934	ML-21835	3.4
7	Prewitt 10-24	43-013-31865	Fee	3.2
8	W Draw ST N-32-8-16	43-013-34146	ML-45555	2.4
9	Wells Draw 2-32-8-16	43-013-32220	ML-21836	2.3
10	GMBU N-2-9-15	43-013-50910	ML-43538	2.2
11	GMBU M-2-9-15	43-013-50909	ML-43538	2.1
12	Moon 1-29-4-2	43-013-50006	Fee	2.0
13	Moon 1-20-4-2	43-013-50008	Fee	2.0
14	State 1-36-8-15	43-013-34234	ML-21835	2.5
15	Ashley ST 6-2-9-15	43-013-32584	ML-43538	1.10
16	Allen Trust 2-24	43-013-31944	Fee	1.9
17	Lamb 4-34-4-1E	43-047-40272	Fee	1.5
18	Wells Draw 4-32-8-16	43-013-32222	ML-21836	1.8
19	Greater Mon Butte T-36-8-16	43-013-50211	ML-22061	1.8
20	Williams #14-8-4-2	43-013-50617	Fee	1.8
21	Hancock 11-21-4-1	43-013-33242	Fee	1.5
22	Malnar 9-19-4-1	43-013-33913	Fee	1.2
23	Hancock 16-20-4-1	43-013-33914	Fee	1.0
24	State 12-36-8-15	43-013-34224	ML-21835	2.1
25	State 4-36-8-15	43-013-34231	ML-21835	1.4
26	Roberts 4-19-4-1	43-013-50072	Fee	1.1
27	Mon Butte East K-36-8-16	43-013-50112	ML-22061	1.1
28	S Mon Butte ST N-2-9-16	43-013-50117	ML-21839	1.4
29	Wilcken 16-23-4-2	43-013-50304	Fee	1.0
30	Hancock 12-7-4-1W	43-013-50422	Fee	1.3
31	State 1-16-9-18	43-047-35811	ML-48378	1.6
32	Lamb 1-34-4-1E	43-047-40275	Fee	1.1



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 14, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5276 0525

Ms. Assiya Bekniyazova
Newfield Production Company
4 Waterway Square PL, STE 100
The Woodlands, TX 77380

43 013 50304
Wilcken 16-23-A-2
23 45 2W

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Bekniyazova:

As of August 2016, Newfield has thirty-two (32) State and Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

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Page 2
Newfield
December 14, 2016

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Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/DD/js

cc: Compliance File
Well File
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31	State 1-16-9-18	43-047-35811	ML-48378	1.6
32	Lamb 1-34-4-1E	43-047-40275	Fee	1.1